

## Product datasheet for **SC315857**

### GPR64 (ADGRG2) (NM\_001079860) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	GPR64 (ADGRG2) (NM_001079860) Human Untagged Clone
Tag:	Tag Free
Symbol:	ADGRG2
Synonyms:	CBAVDX; EDDM6; GPR64; HE6; TM7LN2
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001079860, the custom clone sequence may differ by one or more nucleotides

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ATGGTTTTCTCTGTCAGGCAGTGTGCCATGTTGGCAGAAGTGAAGAAGTTTTACTGACG
TTCAAGATATTCCTTGTGCATCATTTGTCTTTCATGTCGTTCTGGTAACATCCCTGGAAGAA
GATACTGATAATTCCAGTTTGTCAACCACCTGCTAAATATCTGTTGTCAGTTTTGCC
CCCTCCTCCAATGGTACTCCAGATGTTACTTTAAGCTTACTCCCTTCAAACGAAACAGGC
GTCAAACCCAGAGAAAATCTGCAATTTGTCATCTATTTGCAATGACTCAGCATTTTTT
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ACGAATGGCACCTTAAGTGGAGTCTGTCTCTAAGTGAATTAACGCTCAGAGCTCAAC
AAAACCCCTGCAAACCCCTAAGTGAGACTTACTTTATAATGTGTGCTACAGCAGAGGCCAA
AGCACATTAATTTGACATTCACAATAAACTGAATAACAATGAATGATGTGCTGTA
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ATACCCCTGCCCTTCTCCCGAAGAGTTGGAAAAGCTTCAGTGTGACCTGCAGGATCCC
ATTGCTGTCTTGTGCTGACCATCCACGTGGCCACCATTCTTCCAGCCAATCCATCCCA
GTGGTGCCTCGGGCCACTGTGCTTTCCAGGTCCCAAAGCTACCTCTTTTGTGAGCCT
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GAAACGATCTCTCCCTATGCCCAAACCCATGTCTCCGGCACCCACCTCCTGTGAAA
GCCTCATTTTCTCTCCACCGTGTCTGCCCTGCGAATGTCAACACTACCAGCGCACCT
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AACCAAGTCAGCAGACTCCTTCATTCCCGCCTGACATGCTGGCCCTCTGGCTCAAAGA
TTGCTGAAAGTAGTGGATGACATTGGCCTACAGCTGAACTTTTCAAACACGACTATAAGT
CTAACCTCCCCTTCTTTGGCTCTGGCTGTGATCAGAGTGAATGCCAGTAGTTTCAACACA
ACTACCTTTGTGGCCCAAGACCCTGCAAATCTTCAGGTTTCTCTGAAACCCAAGCTCCT
GAGAACAGTATTGGCACAATACTCTTCTTTCATCGCTGATGAATAATTTACCAGCTCAT
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GATCCTTCCCTGGAGAACCTCTCTGATCAGCTACGTCATATCATCGAGTGTGCAAAC
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CAGGATGAGTTAACAGTGAGATGTGATTTTGGGACTTGGGCAGAAAATGGTGGCAGAGGA
GGCTGGTCAGACAATGGCTGCTGTGCAAGACAGGAGATTGAATGAAACCATCTGTACC

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TGTAGCCATCTAACAAAGCTTCGGCGTTCTGCTGGACCTATCTAGGACATCTGTGCTGCCT  
 GCTCAAATGATGGCTCTGACGTTTACATTACATATATTGGTTGTGGGCTTTCATCAATTTTT  
 CTGTCACTGACTCTTGTAACTACATAGCTTTTGAAAAGATCCGGAGGGATTACCCTTCC  
 AAAATCCTCATCCAGCTGTGTGCTGCTCTGCTTCTGCTGAACCTGGTCTTCTCCTCGGAC  
 TCGTGGATTGCTGTATAAGATGCAAGGCCTGTCATCTCAGTGGTGTATTTCTTCAT  
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 CTTGTCAAAGTATTTAACTTACATCCGAAAATACATCCTTAAATTCTGCATTGTCGGT  
 TGGGGGTACCAGCTGTGGTTGTGACCATCCTGACTATATCCCAGATAAATATGGG  
 CTTGGATCCTATGGGAAATCCCAATGGTTCACCGGATGACTTCTGCTGGATCAACAAC  
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 GCCCAGCGAAAACCAGTATTCAAGACCTCAGGAGTATCGCTGGCCTTACATTTTACTG  
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 CTGTTTGCATCTTTAATACCTACAAGGATTTTTCATATTCATTTTACTGTGTGGCC  
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 GAAAATCTGACTGGAGTAAAACGCTACTAATGGTTTAAAGAAGCAGACTGTAAACCA  
 GGAGTGTCCAGCTCTTCAAATTCCTTACAGTCAAGCAGTAACTCCACTAACTCCACCACA  
 CTGCTAGTGAATAATGATTGCTCAGTACACGCAAGCGGAATGGAAATGCTTCTACAGAG  
 AGGAATGGGGTCTCTTTAGTGTTCAGAATGGAGATGTGTGCCTTACGATTTCACTGGA  
 AAACAGCACATGTTTAAACGAGAAGGAAGATTCTGCAATGGGAAAGGCCGTATGGCTCTC  
 AGAAGGACTTCAAAGCGGGAAGCTTACACTTTATTGAGCAAATG

- Restriction Sites:** Please inquire
- ACCN:** NM\_001079860
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
- Reconstitution Method:**
1. Centrifuge at 5,000xg for 5min.
  2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
  3. Close the tube and incubate for 10 minutes at room temperature.
  4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
  5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
- RefSeq:** [NM\\_001079860.1](#), [NP\\_001073329.1](#)
- RefSeq Size:** 4702 bp
- RefSeq ORF:** 2988 bp
- Locus ID:** 10149

UniProt ID: [Q8IZP9](#)

Cytogenetics: Xp22.13

Protein Families: Druggable Genome, GPCR, Transmembrane

**Gene Summary:** This gene encodes a member of the G protein-coupled receptor family described as an epididymis-specific transmembrane protein. The encoded protein may be proteolytically processed as it contains a motif shown to be a protein scission motif in some members of this family (PMID: 11973329). Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2011]  
Transcript Variant: This variant (3) lacks two alternate in-frame exons compared to variant 1. The resulting isoform (3) has the same N- and C-termini but is shorter compared to isoform 1.